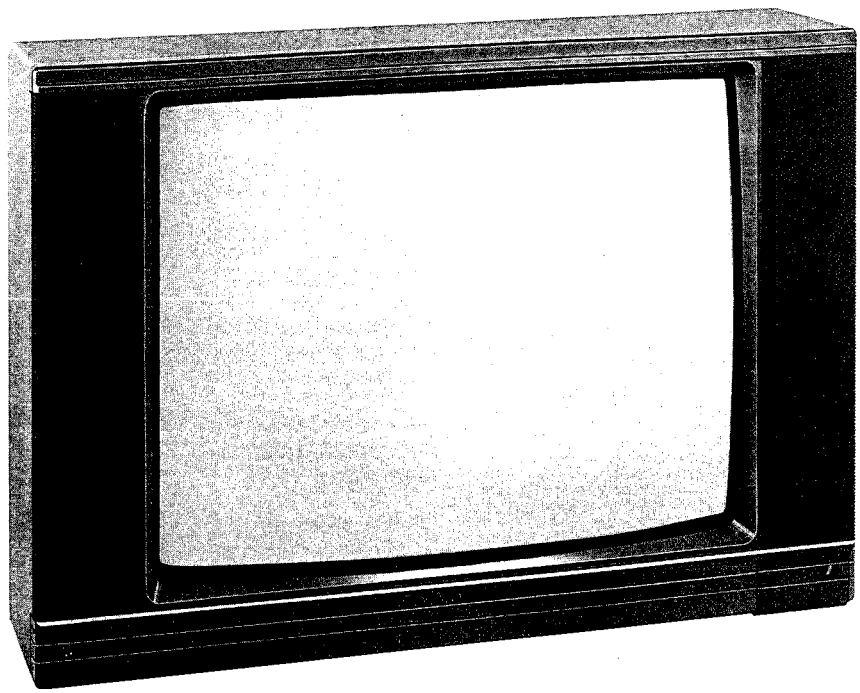
SCHNEIDER FESTIVAL101

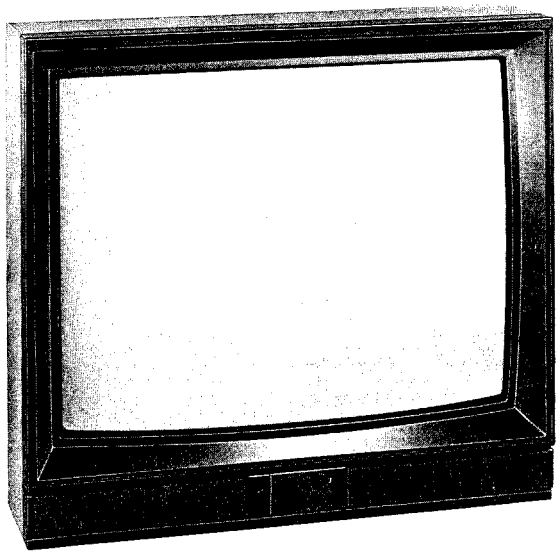
MODEL

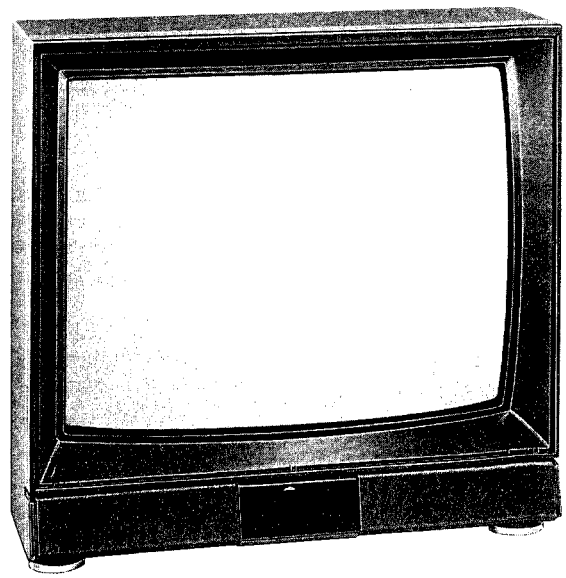
INSTRUCTION MANUAL

DTV 2

Bedienungsanleitung







Senderkürzel
Station abbreviations
Abréviations d'émetteurs
Zenderafkortingen
Abbreviazioni
Abraviaturas
Forkortelser
Aseman lyhennysmerkki
Förkortningar

DEUTSCHLAND

ARD	Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland
ZDF	Zweites Deutsches Fernsehen
BR	Bayerischer Rundfunk
BR 3	Bayerischer Rundfunk 3. Programm
WDR	Westdeutscher Rundfunk
WDR 3	Westdeutscher Rundfunk 3. Programm
NDR	Norddeutscher Rundfunk
SWF	Südwestfunk
SW 3	Südwestfunk 3. Programm
SFB	Sender Freies Berlin
DDR 1	
DDR 2	

ÖSTERREICH

ORF	Österreichischer Rundfunk
ORF 1	Österreichischer Rundfunk 1. Programm
ORF 2	Österreichischer Rundfunk 2. Programm
FS 1	
FS 2	

SCHWEIZ

SRG	Schweizerische Radio- und Fernsehgesellschaft
SRG 1	
SRG 2	
SRGD	Schweiz deutsch
SRGF	Schweiz französisch
SRGI	Schweiz italienisch
DRS	
DRS 1	
DRS 2	
TS 1	
TSR	
TSI	

FRANKREICH

TF 1	
A 2	Antenne 2
FR 3	France 3
TV 5	Privat
TV 6	Privat

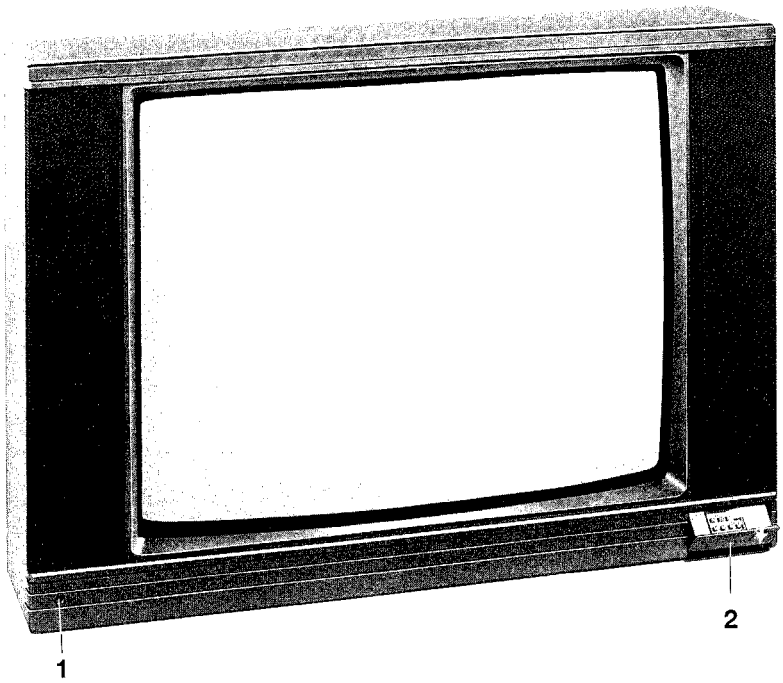
DIVERSE

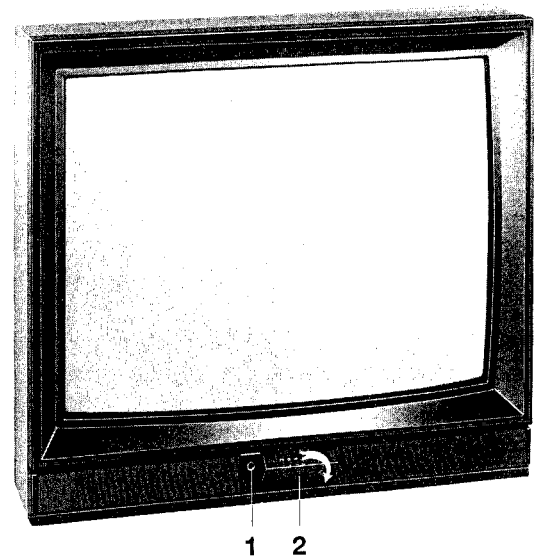
RTL	RADIO TELE LUXEMBOURG
RTLP	Radio Tele Luxembourg plus
SAT 1	Satellit 1
MBOX	MUSIC BOX
SKY	SKY CHANNEL
3 SAT	3-Programm-Satellit (ZDF, ORF, SRG)
EBU	European Broadcasting Union
ABC	American Broadcast
ABCN	American Broadcast News
RTB 1	RADIO TV BELGE 1
RTB 2	RADIO TV BELGE 2
BRT	Belgische Radio en TV
BRT 1	BELGISCHE RADIO EN TV 1
BRT 2	BELGISCHE RADIO EN TV 2
RMC	RADIO MONACO
NOS	Nederlandse omroep stichting
NOS 1	Nederlandse omroep stichting 1
NOS 2	Nederlandse omroep stichting 2
BBC	British Broadcasting Corporation
BBC 1	British Broadcasting Corporation 1
BBC 2	British Broadcasting Corporation 2
RAI	Radiotelevisione Italiana
RAI 1	Radiotelevisione Italiana 1
RAI 2	Radiotelevisione Italiana 2
YLE 1	Finnland 1
YLE 2	Finnland 2
AFN	American Forces Network
PLUS	
1 PLS	
FNET	FILMNET
SUPC	Super Channel
STV 1	Schweden TV 1
STV 2	Schweden TV 2
MTV	
TVE 1	
TVE 2	
RTP	
RTP 1	
RTP 2	
TSS 1	
TSS 2	
NRK	
NRK 1	
NRK 2	
M 6	
IRIB	
SSR	
CNN	
IRAK	
NORD	NORDIC CHANNEL
TV 2	
KAN 1	KANAL 1
TV 3	
WNET	WORLD NET
SUP	SUPER
SCSP	SCREEN SPORT
LIFE	LIFESTYLE
S 3	
SDR 1	
ARD 1	
NED 1	Niederland 1
NED 2	Niederland 2
NED 3	Niederland 3
DAN 1	Dänemark 1
DAN 2	Dänemark 2
TVB	
CHIL	CHILDREN CHANNEL
RIAS	
PRO 7	
H 3	
HOR	HORIZONT
DR	
TEL 5	TELE 5

Frontansicht
Frontal view
Vue du devant
Vooraanzicht
Vedute frontale
Vista frontal
Forsiden
Laitteen etuosa
Front

Modell A
Model A
Modèle A
Uitvoering A
Modello A
Modelo A
Udførelsen A
Malli A
Utförande A

Modell B
Model B
Modèle B
Uitvoering B
Modello B
Modelo B
Udførelsen B
Malli B
Utförande B





Zur Nahbedienung Netztaste schräg nach vorne klappen.

For local operation, tilt mains switch out forwards.

Pour utiliser la commande sur l'appareil basculer le commutateur de réseau vers l'avant.

Voor bediening met de hand nettoets schuin naar voren klappen.

Per disporre dei comandi sul TV girare il coperchio verso l'esterno.

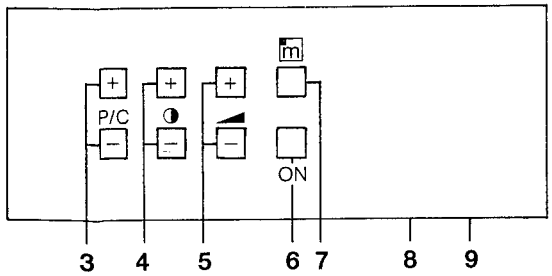
Para el mando manual abrir el interruptor de la red diagonalmente hacia delante.

Direkte betjening kan udføres ved at klappe netafbryderen skråt fremad.

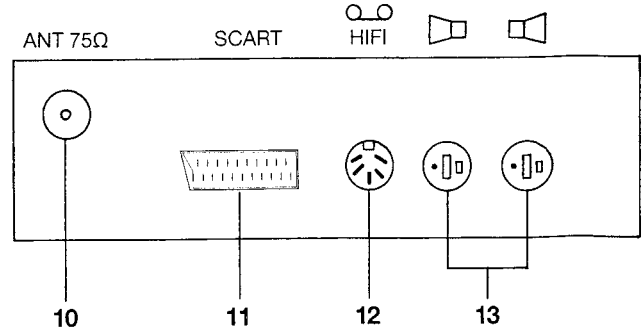
Käytettäessä laitetta ilman kaukoohjainta on verkkokytkimen oltava painettuna vinottain eteen.

Reglagen blir åtkomliga om strömbrytardelen dras framåt.

Nahbedienung
Local operation
Commandes sur l'appareil
Handbediening
Comandi sull'apparecchio
Mando manual
Direkte betjening
Käyttö ilman kauko-ohjainta
Apparatreglage

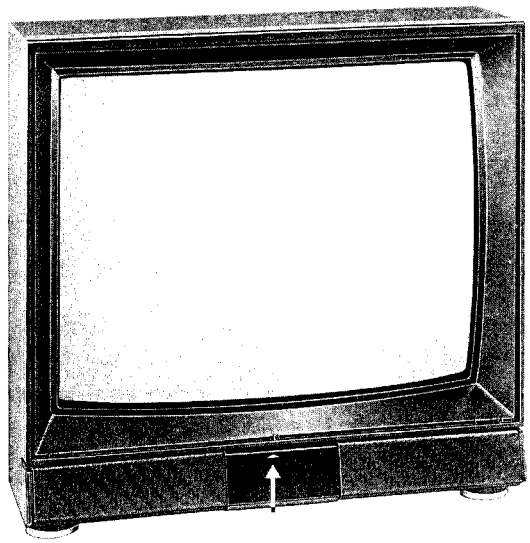


Rückansicht
Rear view
Vue de l'arrière
Achteraanzicht
Retro
Vista posterior
Bagsiden
Takaosa
Baksida



Frontansicht
Frontal view
Vue du devant
Vooraanzicht
Vedute frontale
Vista frontal
Forsiden
Laitteen etuosa
Front

Modell C
Model C
Modèle C
Uitvoering C
Modello C
Modelo C
Udførelsen C
Malli C
Utförande C



Zum Öffnen und Schließen die Abdeckklappe nach innen drücken (siehe Pfeilmarkierung).

Press the cover inwards to open or close (see arrow).

Pour ouvrir ou fermer le couvercle appuyer vers l'intérieur (voir flèche).

Voor het openen en sluiten, het afdekklepje naar binnen drukken (zie pijl aanduiding).

Per aprire e chiudere il coperchio premere verso l'interno (vedi freccia).

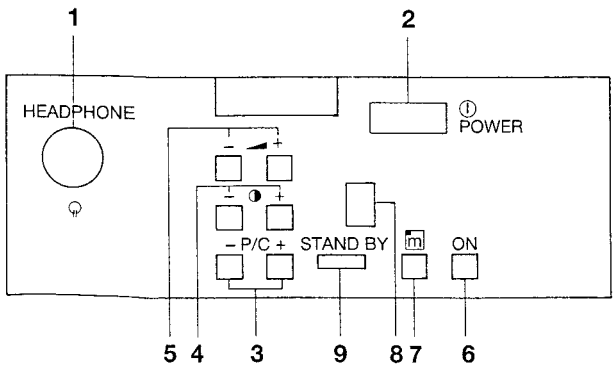
Para abrir o cerrar la tapa de cubierta pressione hacia dentro (mire la flecha).

Til abning og lukning trykkes afdækningsklappen indad (se pilmarkeringen).

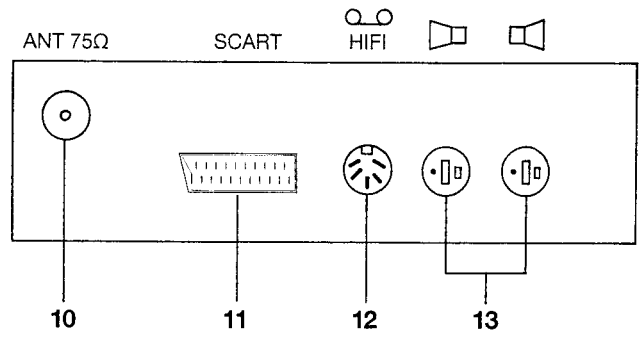
Peitelevy avataan ja suljetaan painamalla sitä sisäänpäin (peitelevy oseitettu nuolella).

Luckan öppnas och stängs genom en lätt tryckning (se pilmarkeringen).

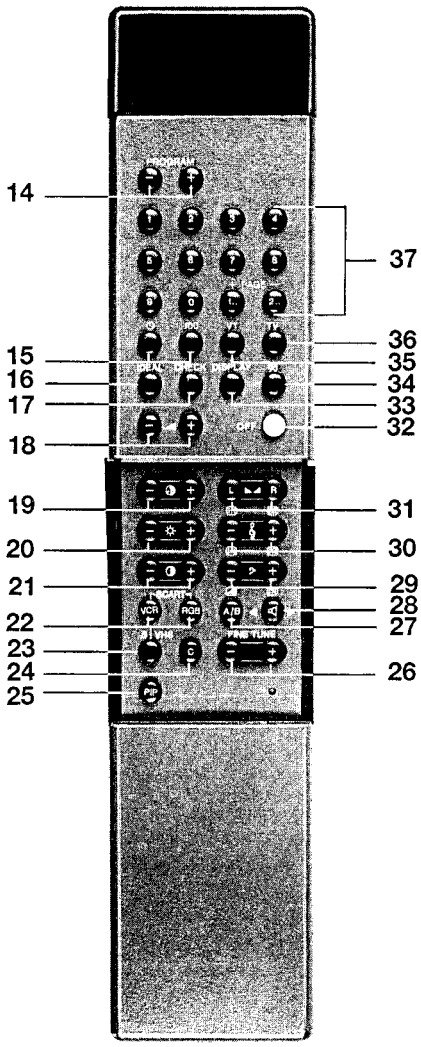
Nahbedienung (unter der Abdeckklappe)
Local operation (beneath cover)
Commandes sur l'appareil (sous l'abattant)
Handbediening (onder de klep)
Comandi sull'apparecchio (sotto il coperchio)
Mando manual (debajo de la tapa)
Direkte betjening (bag dækslet)
Käyttö ilman kauko-ohjainta (kannen alla)
Apparatreglage (under luckan)

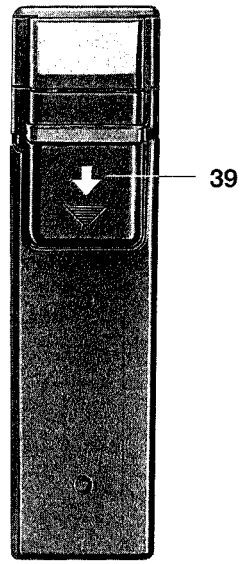


Rückansicht
Rear view
Vue de l'arrière
Achteraanzicht
Retro
Vista posterior
Bagsiden
Takaosa
Baksida



Infrarot-Fernbedienung
Infrared remote control
Télé-commande à infra-rouge
Infrarode afstandsbediening
Telecomando a infrarossi
Mando a distancia infrarrojo
Infrarøt-fjernstyring
Infrapuna kauko-ohjain
Infraröd fjärrkontroll





Austausch der Batterie
Drücken Sie die Abdeckung 39 des Batteriefachs auf der Rückseite der Fernbedienung in Pfeilrichtung nach vorne und entfernen Sie diese (s. Abb.). Dadurch ist das Batteriefach zum Austausch der Batterie (9 V) bequem zugänglich.

Replacing the battery
Press the cover 39 of the battery compartment on the rear side of the remote control module forwards in the direction of the arrow and remove it (see diagram). The battery compartment is then easily accessible for replacing the battery (9 V).

Changement de pile
Repoussez le couvercle 39 du compartiment à pile qui se trouve au dos de la télé-commande dans le sens de la flèche vers l'avant et enlevez-le (voir dessin). De cette manière le compartiment à pile est facilement accessible pour le changement de la pile (9 V).

Vervanging van de batterij
Drukt U het dekseltje 39 van het batterijvakje aan de achterzijde van de afstandsbediening in de richting van de pijl naar voren en verwijder dit (zie afbeelding). Hierdoor is het batterijvakje voor de vervanging van de batterij (9 V) gemakkelijk toegankelijk.

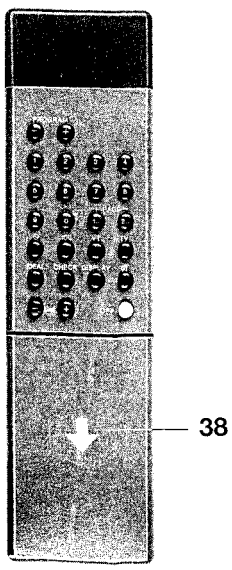
Cambio delle batterie
Premere il coperchio 39 del vano batterie che si trova sul retro del telecomando, nella direzione indicata dalla freccia (vedi ill.). Ora il vano batterie è agibile per la sostituzione delle stesse (9 V).

Cambio de la pila
Presione la tapa 39 del compartimento de la pila en la parte posterior del mando a distancia en la dirección de la flecha hacia delante y retírela (ver dibujo). De esta forma el compartimento de la batería es fácilmente accesible para cambiar la pila (9 V).

Udskiftning af batteri
Tryk afdækningen 39 af batterirummet på bagsiden af fjernstyringsenheden fremad i pilens retning og fjern afdækningen (se afb.). Nu er batterirummet let tilgængeligt og (9 V)-batteriet kan bekvemt udskiftes.

Paristojen vaihto
Painakaa kauko-ohjaimen takaosassa olevan paristolokeron 39 kantta eteenpäin nuolen suuntaan, jolloin se aukeaa, ja poistakaa vanhat parisot (ks. kuva).
Uusien paristojen (9 V) asettaminen käy tämän jälkeen kätevästi. Sulkekaa kansi.

Byte av batterier
Drag luckan 39 på kontrollens baksida i pilens riktning och ta bort den (se bild).
Batteriet byts sedan bekvämt och enkelt (9 V).



Die Tasten 19 bis 31 befinden sich unter dem Abdeckschieber 38.
Um diese Tasten zu betätigen, schieben Sie die Abdeckung in Pfeilrichtung (s. Abb.)

Buttons 19 to 31 are located underneath the sliding panel 38. Press the sliding panel in the direction of the arrow in order to actuate these buttons (see diagram).

Les touches 19 à 31 se trouvent sous le couvercle coulissant 38 (voir dessin). Pour actionner ces touches, repousser le couvercle dans le sens de la flèche.

De toetsen 19 tot 31 bevinden zich onder het afdekplaatje 38. Om deze toetsen te bedienen moet U het plaatje in de richting van de pijl schuiven (zie afbeelding).

I tasti dal 19 al 31 si trovano sotto il cursore di plastica 38. Per poter utilizzare questi tasti, spostare il cursore nella direzione della freccia (vedi ill.).

Las teclas 19 hasta 31 se encuentran debajo de la tapa deslizante. Para accionar estas teclas, hay que mover la tapa en dirección de la flecha.

Tasterne 19 til 31 befinder sig under det forskydbare dæksel (38).
For at aktivere disse taster skyder De dækslet i pilens retning (se afb.).

Painikkeet 19–31 ovat siirrettävän kannen (38) alla. Voit käyttää näitä painikkeita siirtämällä kantta nuolen suuntaan (ks. kuva).

Tangenterna 19–31 är placerade under den skjutbara luckan 38.
Tangenterna görs åtkomliga genom att luckan skjuts i pilens riktning.

BRIEF INSTRUCTIONS

Front

Note for "model C":
Controls 1–9 are located beneath cover!

1 **Headphone socket**
for connecting medium-Impedance headphones with 6.3 mm dia jack plug. The built in loudspeakers are switched off, when the headphone is plugged in.
2 **Power button**
switching on and off the set.
Models A and B:
also local control panel

Local control panel

3 **P/C +/–**
for selecting programs or channels one at a time
4 – ◑ +
Contrast control
The picture contrast is the difference between the bright and dark areas of the screen. We recommend setting the contrast to a mid-value.
5 – ◿ +
Volume control
6 **ON**
switch on TV operation
7 **m (= Memory)**
for storing set stations and "brightness", "contrast", "colour", "treble", "bass", "volume" and "balance" functions
8 **Remote control sensor**
9 **Standby indicator**

Rear

10 **ANT 75 Ω**
antenna socket for a 75 Ohm antenna
11 **Scart terminal**
12 **HIFI**
Audio-DIN terminal socket
13 **Speaker sockets**

Remote control unit

14 **PROGRAM –/+**
for selecting program numbers one at a time
15 **For broadcast videotex only**
16 **IDEAL**
calls ideal setting
17 **CHECK**
checks additional code
18 – ◿ +
Volume control
19 – ◕ +
Colour control
You can set this easiest if you take the colour of a person's skin as your basis.
20 – ☼ +
Brightness control
21 – ◑ +
Contrast control (see 4)
22 **SCART VCR/RGB**
Video recorder/RGB operation
23 **S-VHS**
playback from a S-VHS video recorder in conjunction with 22
24 **C**
to display channel
25 **PIP**
Only if set is fitted with PIP-module (picture in picture)
26 **FINE TUNE –/+**
fine station setting
27 **A/B**
sound channel button;
for selecting mono/stereo for stereo broadcasts
28
base widening for stereo
29 – 𝄢 +
Bass control
30 – 𝄞 +
Treble control
31 **L ◣ ◢ R**
Balance control
You can set the optimum stereo effect with these buttons during stereo broadcasts, even if you are not sitting directly in front of the centre of the screen. The change or the current setting is indicated in the information line by the position of the small red bar.
32 **OFF**
Sets unit to standby; the standby indicator 9 then lights up. You can reset the unit from "standby" to "on" again by pressing one of the program number buttons 37 or button 6 "ON" on the local control panel..
33 **DISPLAY**
The information line appears.
34 🔇
sound off (mute)
35 **VT**
switches on broadcast videotex
36 **TV**
Resets unit from broadcast videotex to TV mode; the information line and the list of additional codes disappear immediately.
37 **Digit buttons for selecting of program numbers/ channels**
Note: The "1.." and "2.." buttons cannot be used for the channel function. These buttons are provided for entering the "tens" digits for the program function, e. g. program 21 = "2.." button + "1" button
38 **Sliding panel**
for buttons 19 to 31
39 **Battery compartment cover**

Before you operate your set . . .

. . . please read the instructions on the following pages carefully. The functional arrangement of the controls facilitates operation of your set. To utilize all its features fully, however, study these instructions with care.

Caution!
In the event of interventions in the set by unauthorized persons, all guarantee claims are invalid.

Positioning your set

The heat generated when the set is in operation must be allowed to escape freely. So when positioning your set, take care that enough space is available around it for the heat to dissipate.

If heat is allowed to build up, failure of electronic components may result!

The air vents and slits on the set must not be covered over either by newspapers or any decorative coverings such as lace mats. Also avoid direct heating by sunlight or radiators.

Mains connection

The set is designed for 220 V/50 Hz alternating current. The mains connection is set up via the mains cable.

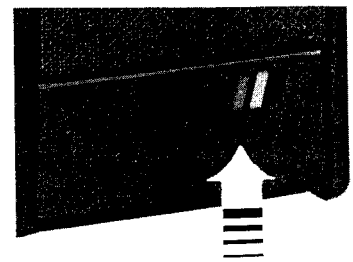
Operation of your stereo colour TV set

General

In this digital concept, the set functions are specifically designed to be operated via the IR remote control module.
Where this is not available, such as when the batteries are depleted, the most important functions can also be set on the local control panel on the TV set.

Switching on

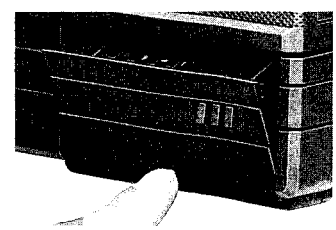
Model A und B:
Switch the set on and off by pressing the local control 2.



Model C:
Press the cover on the front panel inwards at the point marked with the arrow. This opens (or closes) the cover, and the controls behind it become accessible.
Press the "Power" button 2 to switch on the unit or to switch it off again.
The standby indicator 9 lights up when the set is switched on.
All further functions are then activated with the IR remote control module.

Local operation

Modell A und B:
To operate the local control panel 2, it must be tilted forward by pressing the lower third of button 2.
The functions "program/channel ±", "contrast ±", "volume ±", "memory" and "set on" can now be operated.



The information line

Before we explain the operation of the set in detail, a note about the information line.
When operating the main functions, an information line appears on the lower third of the screen. It shows you the current status or the desired change of a function, in letters and/or symbols. When calling up a station from memory, all important additional information is automatically and immediately displayed, as shown in the examples below.

PROG. 1 ARD MONO
PROG. 2 ZDF STEREO WIDE
PROG. 4 SAT1 TONE A/B

The English designations of the functions which can be altered will appear if you press one of buttons 18–21 or 29–31:
e. g.
VOLUME
COLOUR
BRIGHTNESS
CONTRAST
BASS
TREBLE
BALANCE
together with a red bar between the "+" and "–" signs. This allows you to check what is happening when you press one of the buttons.
The information line disappears again automatically approximately 6 seconds after the last input.

Storing TV stations on the program numbers

General

Up to 27 stations can be programmed in memory. Program positons 28 to 30 are reserved for connection of video recorders.
28 = RGB-Scart (e. g. computer)
29 = Video Cassette Recorder via antenna socket
30 = Video Cassette Recorder via Scart
See also the section: "Video recorder and video disc player."
The program numbers 28–30 are selected as follows:
28: by touching button "RGB" or "2.." and "8"
29: with button "0" or "2.." and "9".
30: with button "VCR"
Stations need be programmed only during the initial startup or when the antenna or reception conditions are changed. Programming is then unaffected even by a mains power outage.
Information about the channels of your TV stations can be obtained from your local press, from the post office or from your dealer (see also channel table).
We recommend that you store program 1 on program number 1, program 2 on program number 2, program 3 on program number 3 etc.

Programming the stations in memory

Switch on the set with the "POWER" button.
After a short time, the screen lights up and the information line appears on the lower third of it, showing the following display:

PROG. 1 MONO

1. Press "C" button 24 = (Channel) on the IR remote control module.
2. As long as the information line is displayed, the desired channel number can be entered with two digits via the numbered buttons 37 (e. g. for channel 9 = 0 and 9).
   You can select a channel in the hyper-band by pressing the "C" button and then the "IDEAL" button 16. The letter "H" then appears in the information line after the channel number. Then enter the desired channel number with the digit buttons 37.
   You can return from the hyper-band to the VHF/UHF band by pressing the "C" button and then the "IDEAL" button again. The "H" in the information line disappears again.
   Should the channel number be unknown, you can use button 3 "P/C±" or "PROGRAM ±" 14 to call up all channels from 0–99/1H–27H by counting forwards or backwards.

   The fine adjustment is set with the "FINE TUNE" buttons 26.
3. The programming procedure is completed by activating button 7 "m" on the local control panel.
   Completion is acknowledged by the information line disappearing from the screen.

Note: Buttons "1.." and "2.." have no effect on the channel function.
To program the next station in memory, first press program number button "2" (37) and then button 24 "C".
Further programming is then performed as described above.
Should the 27 program numbers not suffice, you can select additional TV stations directly with the channel function. It makes no difference which program number is switched on.

Only for units with Multinorm

You have the option to occupy 27 channels. If you experience difficulties in occupying a channel with a station which can be received in your area, this may be due to the fact that television stations with other television standards have been stored at the factory. To set the station you want, proceed as follows:
After you have displayed the program number and then the channel, use the IR remote control module to enter the channel number of the station as described above. But picture reception is distorted and the sound is switched off. After pressing "DISPLAY" button 33, keep pressing "IDEAL" button 16 until the picture and sound reception are perfect. Use the "FINE TUNE" buttons 26 for fine tuning (in channel function).
The appropriate standard is displayed in the information line:

PROG. 19 AFN N1 MONO

P1 = PAL B, G
P2 = PAL I
P3 = PAL D/K (CHINA)
S1 = SECAM B, G (DRG)
S2 = SECAM D/K (OIRT)
S3 = SECAM L (FRANCE)
S4 = SECAM L band 1 (FRANCE)
N1 = NTSC M (USA)
At the end of the procedure, store the station and standard with the memory button "m" on the local control.

Personal station code

Up to 4 additional characters (letters and numbers) can be entered in the information line as a personal means of identification, e. g. "NDR 3".

Note: Please make use of the customary abbreviation such as BBC 1, BBC 2 etc. (see section "Check button 17" and **see page 69**).
Enter the program numbers consecutively starting with "1".

Now proceed as follows: Press "DISPLAY" button 33 on the IR remote control module. A bar appears in the info line between the "PROG" and "MONO" displays.

Now "FINE TUNE ±" button 26 is pressed until the desired letter (A–Z) or number (0–9) appears. The selected character is stored by "m" button 7 on the local control panel, and at the same time a new bar appears to its right. You can now enter the next character as described. When all four characters have been entered, press "m" button 7.
The character block on the info line jumps to the left, and your characters are stored.

Note: If the display "MEMORY FULL" appears during the character entry, the character memory is full. No further characters can then be entered.
This is the case, for example, when using station codes not specified on Page 69.

Erasing characters

If you have entered an incorrect character by mistake, press "m" button 7 until all characters are erased, and start again with your entry.
If you want to enter fewer than 4 characters, press the "m" button 7 until the entered character block jumps to the left. The characters are now stored.

Check button 17

By pressing "CHECK" button 17, a list of all station abbreviations which have been assigned to the individual program numbers appears on the screen.
This should help you to find stations again after they have been stored. It gives you a helpful electronic notepad, especially for receivers programmed with a very large program spectrum.
After about 8 sec, the list disappears again automatically.
Use "TV" button 36 to remove the list earlier.

Tint and picture sharpness

On this TV set you can change the basic tint (color hue) to suit your taste as well as change the picture sharpness.

Tint (TINT)

After first pressing the key marked "DISPLAY" 33, adjust the tint using the keys "COLOUR – ◑ +" 19. The word TINT then appears in the information line accompanied by a red bar between "+" and "–".
Store the value you have set by pressing the memory key 7 "m" on the local control panel. You can adjust and store different values for each TV standard (PAL, SECAM, and NTSC).

Picture sharpness (PEAKING)

After first pressing the key marked "DISPLAY" 33, adjust the picture sharpness using the keys "CONTRAST – ◑ +" 21.
As a check the word "PEAKING" appears in the information line accompanied by a red bar between "+" and "–". Store the value you have set by pressing the memory key 7 "m" on the local control panel.

Note:
By pressing key 16 "IDEAL", you can return the tint and the picture sharpness to their standard values. Store the standard value by pressing the memory key 7 "m".
In the case of the tint, repeat this procedure for each of the TV standards (PAL, SECAM and NTSC).

Ideal button

The setting of brightness, contrast, colour, treble, bass, and volume which is ideal for you can be programmed in memory. The stored ideal setting is automatically called up when the set is switched on, or via the "IDEAL" button 16. To store this information, each function must be individually called up and set with one of the corresponding buttons. This setting is then programmed in memory with "m" button 7 on the local control panel.

Sound off (mute)

The sound can be switched off with button 34. The following symbols then appear in the info line.

VOLUME – ■ +

You can bring back the sound again either by pressing the button 34 a second time or by pressing one of the two volume buttons 18.

Stereo sound

Stereo broadcasts are marked in the info line by the word "STEREO".
If reception from stereo stations is poor (noise), it is advisable to switch to mono by pressing button 27 "A/B".
To return to stereo reception, just tap the button again.

Stereo base widening

By pressing button 28, an acoustic base widening is effected.
This creates the impression that the speakers are spaced further apart. This sound enhancement can be activated not only for stereo but also for mono broadcasts. The word "WIDE" then appears to the right on the info line.
The base widening function is not indicated when a video recorder is in use, even though it is fully active.

Dual-channel sound

In dual-channel broadcasts, "TONE A" appears in the info line in place of "MONO" or "STEREO." In these broadcasts, either the original or the simultaneous sound may be heard. Switchover is by pressing button 27 "A/B." "TONE B" then appears in the info line. When you press button 27 again, "TONE A/B" and subsequently "TONE B/A" are displayed. These have the following meanings:
"A/B" = Original sound in the left and simultaneous sound in the right channel.
"B/A" = Original sound in the right and simultaneous sound in the left channel.

Slumber switch

If broadcasting on a channel has ceased, e. g. after the broadcasting station has closed down, the set is switched automatically to standby after approximately 7 minutes.

ENGLISH

Connection of external equipment

AF DIN socket 12

The AF-DIN cable available from your dealer gives you two options:

1. Recording the TV sound onto a cassette recorder.
2. Playing the TV sound on your HIFI equipment.

Important:
If there is not enough volume, press button 34 "MUTE" and then "VOLUME +" until volume as you would like it.
Store the value you have set by pressing the memory key 7 "m" on the local control panel.

Speaker sockets 13

Speaker boxes may be connected via sockets 13. Two options are available:

1. Connecting the boxes as additional speakers, or
2. sound output only via the speaker boxes, the built-in set speakers are disconnected.

These two options can be selected by turning the speaker plug through 180 degrees.

Video recorder and video disc player

When you have connected your video recorder to the TV set by way of the antenna socket, the station channel (30–37) of the video recorder must be set and stored in program location 29 for playback. The procedure is as follows:

1. Switch the video recorder to playback or test broadcast.
2. Select program location 29 on the TV set.
3. Switch to channel selection with button "C" 24 and enter channels 30–37 one after the other.
4. When the (test) picture of the video recorder appears, store the channel with button "m" on the local control of the set.
5. Switch off the test picture.

Specifications

- CCIR-PAL B/G colour TV standard, Secam East Multinorm model: PAL, Secam East, Secam West, NTSC, OIRT sound, England sound
- 27 programs/127 channels (27 hyper-band channels)
- Quais-parallel sound procedure
- Sound output power 2 × 10 Watt sinusoidal
- Mains voltage 220 V/50 Hz

The X-rays generated by this set are sufficiently shielded. Maximum acceleration voltage 27.0 kV.

Improper interventions, especially change of the high voltage or replacement of the picture tube can lead to emission of high-intensity X-rays. A set changed in this way no longer corresponds to the approval conditions and may not be used.

Channel table

Assignment of channel digits to TV channels and TV bands VHF / UHF

Channel digit	TV channel	Frequency in MHz	TV band
01	B 1	46.25	VHF1
02	E 2	48.25	
03	E 3	55.25	VHF1
04	E 4	62.25	
05	E 5	175.25	
06	E 6	182.25	
07	E 7	189.25	
08	E 8	196.25	VHF3
09	E 9	203.25	
10	E 10	210.25	
11	E 11	217.25	
12	E 12	224.25	
13	A	53.75	
14	B	62.25	
15	C	82.25	VHF
16	D	175.25	
17	E	183.25	Italy
18	F	192.25	
19	G	201.25	
20	H	210.25	
21	21	471.25	
...	...	...	UHF
69	69	855.25	
70		863.25	
71	Reserve	871.25	UHF
72	channels	879.25	
73		887.25	
74		894.25	

Channel digit	TV channel	Frequency in MHz	TV band
75	X	69.25	Cable
76	Y	76.25	TV
77	Z	83.25	Belgium
78		90.25	
79	Special	97.25	VHF
80	channels	104.25	
81	S 2	112.25	
82	S 3	119.25	
83	S 4	126.25	
84	S 5	133.25	Cable
85	S 6	140.25	TV
86	S 7	147.25	
87	S 8	154.25	
88	S 9	161.25	
89	S 10	168.25	
90	S 11	231.25	
91	S 12	238.25	
92	S 13	245.25	
93	S 14	252.25	
94	S 15	259.25	Cable
95	S 16	266.25	TV
96	S 17	273.25	
97	S 18	280.25	
98	S 19	287.25	
99	S 20	294.25	
00	S 21	301.25	

Remarks: The VHF 1 and VHF 3 bands apply to the following European states: Austria, Belgium, Cyprus, Federal Republic of Germany, Greece, Netherlands, Portugal, Scandinavian States, Spain, Switzerland, Turkey and Yugoslavia.
The UHF band applies, in addition to the above, to Italy.

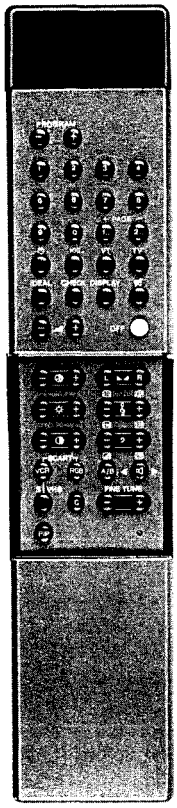
Hyper band

Channel No.	TV channel	Channel spacing
1 H	S 21	
2 H	S 22	
3 H	S 23	
4 H	S 24	
5 H	S 25	
6 H	S 26	
7 H	S 27	
8 H	S 28	
9 H	S 29	
10 H	S 30	8 MHz
11 H	S 31	
12 H	S 32	
13 H	S 33	
14 H	S 34	
15 H	S 35	
16 H	S 36	
17 H	S 37	
18 H	S 38	
19 H	S 39	
20 H	S 40	
21 H	S 41	
22 H	S 21	
23 H	S 22	
24 H	S 23	
25 H	S 24	12 MHz
26 H	S 25	
27 H	S 26	

or

Channel No.	TV channel	Channel spacing
1 H	S 21	
2 H	S 22	
3 H	S 23	
4 H	S 24	
5 H	S 25	
6 H	S 26	
7 H	S 27	12 MHz
8 H	S 28	
9 H	S 29	
10 H	S 30	
11 H	S 31	
12 H	S 32	
13 H	S 33	
14 H	S 34	
15 H	S 21	
16 H	S 22	
17 H	S 23	
18 H	S 24	
19 H	S 25	
20 H	S 26	
21 H	S 27	
22 H	S 28	
23 H	S 29	
23 H	S 30	8 MHz
25 H	S 31	
26 H	S 32	
27 H	S 33	

Your specialist dealer will be able to set one of these two alternatives, depending on your reception conditions.



1-0	Digit buttons for page selection
[E↕E]	Double script height
[E↕E]	Normal script height
[▣]	Page stop. Stop release
[◪]	Mix-in mode
VT	Videotex mode
TV	TV operation
[🕒]	Time in TV operation
[100]	Page 100 contents overview
[E?E]	Reply
[E!E]	Videotex update

Page +/– Callup of subsesquent pages

General

In these instructions, the term "videotex" is used throughout. It has the same meaning as "Videotext" in the Federal Republic of Germany, "Teletex" in Austria and "Teletext" in Switzerland.

Videotex signals are transmitted together with the TV signal from the station. No videotex reception is therefore possible outside transmission times.

Note:
Not all program stations transmit videotex signals during the entire transmission period.

Videotex signals can be received optimally only with a well-adjusted TV antenna and a precisely adjusted TV set.
All videotex functions are selected by the IR remote control module. In videotex operation, normal TV sound is retained. In the event of interference by TV sound, switch it off by remote control.

The videotex schema/ page layout

Videotex programs
Videotex programs are contained in magazines of 100 pages each. A list of contents is found on page 100.

Pages
In calling up videotex pages, you are not obliged to follow any particular sequence.

Header
The first of the 24 text lines of a page is always the header. It contains system data such as the name of the transmitter station, the date and time as well as page numbers.

Display of page numbers
- The digits of the entered page number appear in sequence on the left of the header as a white display >...
- To the right next to these on the green page number display, you can observe the automatic sequential page numbering. As soon as the newly selected page is reached, the display becomes white.

Time display options

The videotex decoder gives you two options for displaying the time:
- **In normal TV operation**
  By pressing button [🕒], the time is displayed for about 5 seconds on the upper right.
- **In videotex operation**
  The date and time appear in the header together with other data on every videotex page.

Videotex functions

Switch to videotex mode
- Switch from normal TV operation to videotex mode with the VT button.
- Then press button [100]. The contents list appears.
- Use the "TV" button to switch from videotex mode back again to TV mode.

Selection of a desired page
You can see the entire videotex program offer from the contents list.
Now use buttons **1-0** to select the page you want.
- Enter the three digits of the entire page number in succession.
  For example, for page 182 enter **1, 8** and **2.**
  The number of the desired page appears in white on the left of the header.
  The page number displayed to its right changes its colour to green and starts to count (to search).
  As soon as the desired page has been found, the search procedure stops and the right page number also turns white.

Note:
If you pressed the wrong button, you must first fill in all three positions and then immediately enter the correct page number.

Page memory
In this new type of digital concept, 8 videotex pages are stored simultaneously in the memory.
This saves you unnecessary waiting when calling up subsequent pages.

Starting from the selected and displayed page, you can call up the following 6 pages in succession by pressing the "PAGE+" button.
The "PAGE–" button can be used to flip back a page without additional waiting.

Selection of another page
If you want to select another page, enter the corresponding 3 digits or press the "PAGE+" button.

Multiple pages
Multiple pages are defined by a page number but consist of several subpages which are called up in succession.
Multiple pages are displayed as follows:
1. At the >> symbol below right.
2. At an additional display e.g. under the time display in the header.
   This display means:
   The subpage just called up to the left, the number of subpages to the right.

Holding subpages
Press button [⏸] . In a stopped page ">>>" appears in the header in place of the time display.

Continued paging
By again pressing the [⏸] button, paging is continued. The clock display appears again in place of the ">>>" and the subpages are again called up in succession. The halted subpage remains displayed until the original page number of the multiple page is reached.

Page 100 automatic
To move from one page to the contents list in videotex mode, press button [100] .
The displayed page is then erased, the screen remains dark until page 100 appears.

Videotex update
In this function, updated messages are automatically displayed during a switched-on TV program.
The following operating modes are available:
1. Callup of updated messages.
2. Automatic display of an updated message into the running TV program.

Caution:
The set must be in videotex mode!

Callup of an updated message
– Select the videotex page with updated contents.
– If you want to erase this function, enter another page number.

Automatic fade-in of an updated message
If you want to see the next updated message after the text box has been displayed, you can in the meantime follow the TV program without displayed text.
– Press button [?!] . If you first want to see the previous message again, you must call it up with the [?!] button.

In general, the following procedure applies:
For fading-in a message
= press [?!]
For fading-out a message
= press [?!] again.

Caution:
Pressing the digit buttons leads to selection of another videotex page, not another TV program.
To select another videotex page therefore, enter 3 digits.

Status display in videotex mode
If you see the picture of a running TV program in videotex mode, you can call back the last videotex page stored without significantly disturbing the picture.
– Press button [⏲] .
  The header of the stored videotex page is faded into the TV picture for a few seconds.

Special operating modes
Note:
For the following special operating modes, the set must be in videotex mode.

TV picture in videotex mode
This option, which is already familiar to you from the "Videotex update" section, can be used on all pages without erasing the page stored at that time.
– By pressing the [?!] button, the TV program is restored.
– If the [?!] button is pressed again, videotex operation is restored.

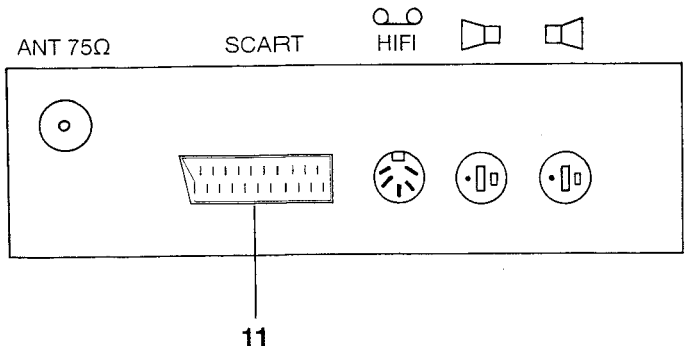
Subtitle mode
Subtitles are faded into the picture in synchronism with a TV program. They are used for cases such as allowing those hard of hearing to follow the program better or provide translations of foreign-language programs.
– Select the corresponding videotex page with the remote control module.

Note:
In subtitle and update modes, no text box is displayed.

Solution/reply mode
The solution mode allows callup of results of teletuition assignments, replies to quiz questions and solutions to TV riddles.
– Select the corresponding videotex page with the remote control module.
– To call up the reply, press button [?] .
  By pressing the button [?] , the reply is faded out again.

Double script height
At a greater viewing distance, you are recommended to switch to double script height.
– Press button [↕] once.
  The upper half of the page displays double height script.
– Press button [↕] again.
  The lower half page display double height script.
– Press button [↕] .
  The whole page reappears with normal height script.

SCART SOCKET 11



The Scart (or Euro AV) socket enables you to use your TV set as a general-purpose means of communication. The following units can be connected by way of the Scart socket: video recorder, Super-VHS-video-recorder, video-disk player, video games, computer and videotex decoder.

Note the following points:
If you connect your video recorder to the TV set by way of the Scart socket for example, and the video recorder has what is called a switching voltage, your TV set will be switched to Scart replay automatically. ("Play"button of videorecorder activated). It is then no longer possible to switch to another program, i. e. the picture played back with the video recorder appears on all program numbers.
If the connected unit has no switching voltage, switch to playback with the "VCR" button 22 on the remote control.

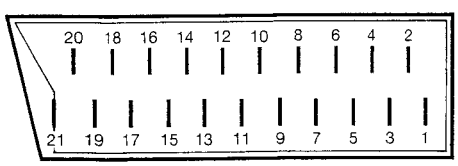
If you use a video recorder also supplied with a switching voltage in record-function for recording via the Scart sockets, the desired program has to be set before actuating the record-key.
The procedure is similar if you connect a home computer to the Scart socket.
If your computer produces a switching voltage, switchover is automatic when you connect to the Scart socket.
If the computer produces no switching voltage, switch over with the "RGB" button 22.

S-VHS-Playback

S-VHS-playback is possible on program number 30. For this, press first "VCR"-button 22 and then "S-VHS"-button 23. The following symbols then appear in the info line.

PROG. 30	VCR	SVHS

The special S-VHS Scart cable, necessary for connecting a S-VHS-Videorecorder is obtainable from your specialist dealer.
You can return to "normal" VHS-playback by pressing the "S-VHS" button 23 again.
The "SVHS" in the information line disappears again.



Contacts, signal levels and impedances of the Scart socket

Contact 1	Sound output right	0.5 V	1 kOhm
Contact 2	Sound input right	0.5 V	10 kOhm
Contact 3	Sound output left	0.5 V	1 kOhm
Contact 4	Sound, ground		
Contact 5	B input, ground		
Contact 6	Sound input left (mono)	0.5 V	10 kOhm
Contact 7	B input	0.7 V	75 Ohm
Contact 8	Remote switching		
Contact 9	G input, ground		
Contact 10			
Contact 11	G input	0.7 V	75 Ohm
Contact 12			
Contact 13	R input, ground		
Contact 14			
Contact 15	R input	0.7 V	75 Ohm
Contact 16	Blanking signal	1.5 V	75 Ohm
Contact 17	Video signal, ground		
Contact 18	Blanking signal, ground		
Contact 19	Video output	1.0 Vpp	75 Ohm
Contact 20	Video input	1.0 Vpp	75 Ohm
Contact 21	Shielding		

Using the special S-VHS Scart cable, contact 15 is used as Chroma-input.